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Observational Study

Acute gastrointestinal injury in critically ill patients with coronavirus disease 2019 in Wuhan, China

AGI and COVID-19

Abstract

BACKGROUND

The coronavirus disease 2019 (COVID-19) is spreading rapidly around the world. Most of the critically ill patients had organ injury, including acute respiratory distress syndrome, acute kidney injury, cardiac injury, or liver dysfunction. However, few literatures on acute gastrointestinal injury (AGI) were reported in critically ill patients with COVID-19.

AIM

To investigate the prevalence and outcomes of AGI in critically ill patients with COVID-19.

METHODS

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Jun 08, 2020 · The epidemic of novel coronavirus disease 2019 (COVID-19) struck **Wuhan** in **late December 2019**. As of June 8, 2020, the global number of confirmed cases has reached 6,931,000, with 400,857 deaths [1]. Although most patients recovered from **COVID-19**, critically ill patients need long-term hospitalizations and have a considerable risk of death.

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Coronavirus disease 2019 (COVID-19)-associated **acute kidney injury** (AKI) frequency, severity and characterization in **critically ill patients** has not been reported. Methods Single-centre cohort performed from 3 March 2020 to 14 April 2020 in four intensive care units in Bordeaux University Hospital, France.

Management of Patients with Confirmed 2019-nCoV | CDC

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/...> ▼

Jun 30, 2020 · Characteristics of and Important Lessons From the **Coronavirus Disease 2019 (COVID-19)** Outbreak in **China**: Summary of a Report of 72314 Cases From the Chinese Center for **Disease** Control and Prevention. JAMA 2020. Team CC-R. Severe Outcomes Among **Patients with Coronavirus Disease 2019 (COVID-19)** – United States, February 12–March 16, 2020.

Different computed tomography patterns of Coronavirus ...

<https://www.nature.com/articles/s41598-020-68057-4>

Jul 09, 2020 · Since December **2019**, an outbreak of **coronavirus disease 2019 (COVID-19)** has emerged in **Wuhan, China** 1,2. Subsequently, the **disease** has spread worldwide with a total infected population of more than ...

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Jul 15, 2020 · Since the outbreak of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection began in December 2019 in **Wuhan**, China, more than 6 million people have developed coronavirus disease 2019 (COVID-19), and more than 350 000 have died. 1 Critical illness from COVID-19 in China, Italy, and other countries has strained intensive care unit (ICU) resources and produced a ...

Cited by: 2

Author: Shruti Gupta, Salim S Hayek, Wei Wang, Lili ...

Publish Year: 2020

Acute Symptomatic Seizures in Critically Ill Patients with ...

<https://link.springer.com/article/10.1007/s12028-020-01006-1> ▼

May 28, 2020 · Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) emerged first in Wuhan, China, in 2019 and spread rapidly worldwide as a pandemic of the twenty-first century. The symptoms and disease manifestations caused by **SARS-CoV-2** were named Coronavirus disease 2019 (COVID-19) by the World Health Organization [1].

Cited by: 6

Author: Madihah Hepburn, Naresh Mullaguri, Pravi...

Publish Year: 2020

[PDF] Clinical management of severe acute respiratory infection ...

<https://www.who.int/docs/default-source/coronavi...>

Coronavirus disease 2019 (COVID-19) is a respiratory tract infection caused by a newly emergent **coronavirus** , that was first recognized in **Wuhan, China**, in December **2019**. Genetic sequencing of the virus suggests that it is a betacoronavirus closely

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[Patients With COVID-19 in 19 ICUs in Wuhan, China: A Cross ...](#)

<https://pubmed.ncbi.nlm.nih.gov/32410714>

Background: A **COVID-19** outbreak started in **Wuhan, China**, last December and now has become a global pandemic. The clinical information in caring of **critically ill patients with COVID-19** needs to be shared timely, especially under the situations that there is still a largely ongoing spread of **COVID-19** ...

Cited by: 10**Author:** Yuan Yu, Dan Xu, Shouzhi Fu, Jun Zhang...**Publish Year:** 2020

[Acute kidney injury in critically ill patients with COVID-19](#)

<https://link.springer.com/10.1007/s00134-020-06153-9> ▼

Jun 12, 2020 · **Acute kidney injury** (AKI) has been reported in up to 25% of **critically-ill patients** with SARS-CoV-2 infection, especially in those with underlying comorbidities. AKI is associated with high mortality rates in this setting, especially when renal replacement therapy is required. Several studies have highlighted changes in urinary sediment, including proteinuria and hematuria, and evidence of ...

Cited by: 8**Author:** Paul Gabarre, Guillaume Dumas, Thibaul...**Publish Year:** 2020

[Management of critically ill patients with COVID-19 in ICU ...](#)

<https://annalsofintensivecare.springeropen.com/...> ▼

Jun 06, 2020 · Rationale An observational study reported that among 138 hospitalized patients diagnosed with confirmed COVID-19 in **Zhongnan Hospital in Wuhan** in January, 2020, 40 were healthcare workers [15]. Till March 15, 2020, it has been reported that over 3000 health workers were confirmed with COVID-19, among whom 14 died.

Cited by: 13**Author:** You Shang, Chun Pan, Xianghong Yang, ...**Publish Year:** 2020

[Be aware of acute kidney injury in critically ill children ...](#)

<https://link.springer.com/article/10.1007/s00467-020-04715-z> ▼

Aug 26, 2020 · **Acute kidney injury** (AKI) is a common complication of **critically ill adult patients with COVID-19**. However, currently, no studies investigate kidney impairment in children **with COVID-19**. We investigated incidence and treatment of AKI in pediatric **patients with COVID-19 in Wuhan** Children's Hospital during the early stages of the **COVID-19** pandemic and discuss possible mechanisms of AKI ...

Author: Xiaowen Wang, Xingfeng Chen, Feng ...**Publish Year:** 2020